

ABSTRACT OF THE DISCLOSURE

Computer-aided methods and systems are proposed for centrally recording and modeling the acoustics of a closed room or partially enclosed room, wherein a room response is measured locally with a local computer by generating a sound signal with at least one acoustic source and recording the acoustic response with at least one measuring microphone. Software is downloaded to the local computer from a remote central computer, and the measured data are transmitted for further processing from the local computer to the remote central computer, optionally together with additional data required for the additional processing. The amplification factors of the acoustic source output and the microphone input can be calibrated automatically. The methods and systems can also be used to process other physical measurements.